

Amendments to the Title:

Please amend the title as follows:

~~A perforation gun system~~ Perforation Gun System ~~having self-closing~~  
~~for Sealing penetration holes~~ Penetration Holes

Amendments to the Specification:

Page 1, amend the paragraph beginning on line 3 to read as follows:

The invention relates to a perforation gun ~~in accordance with the~~  
~~preambles of claims 1 and 3~~ having an outer gun barrel, arranged in an  
interior of which are perforators that can be ignited by a fuse leading through  
the gun barrel and after ignition pierce the gun barrel at penetration holes,  
and means for automatically closing the penetration holes

Page 1, amend the paragraph beginning on line 5 to read as follows:

~~A perforation~~ Perforation guns are used in deep bore hole blasting in  
the oil and natural-gas industries to tie the bore hole to the storage horizon.

Page 2, amend the paragraph beginning on line 1 to read as follows:

The underlying object of the invention is to improve a perforation gun ~~in~~  
~~accordance with the preamble of claim 1~~ in such a way that with simple and  
reliable means emergence of fragments out of the gun barrel into the bore  
hole is avoided.

Page 2, amend the paragraph beginning on line 15 to read as follows:

In the case of perforation guns ~~in accordance with the preamble of~~  
~~claim 3, that is, perforation guns~~ that have an outer gun barrel, arranged in the  
interior of which there are perforators that can be ignited by way of a fuse  
leading through the gun barrel and after ignition pierce the gun barrel at  
penetration holes, with means being provided for automatically closing the  
perforation holes, and these means comprising a sliding tube which can be

displaced by means of an adjusting arrangement by at least the diameter of the penetration hole after the penetration, it is proposed that the sliding tube be arranged coaxially between the perforators and the gun barrel. As a result, emergence of fragments out of the gun barrel into the bore hole is avoided with simple and reliable means. In the case of horizontal bore holes, in which the outer wall rests on the casing inner wall, displacement of the sliding tube is possible in a reliable way.